

System for encoding glass master to enable detection of counterfeit optical CD-ROM

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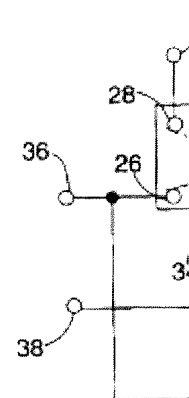
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Abstract not available for CN1140875

Abstract of corresponding document: **US5703858**

A device for enabling detection of a counterfeit optical CD-ROM is disclosed for use in a conventional mastering system. The device includes a signal source for providing a first signal for forming a predetermined defect in a glass master. The device also includes a switch for connecting a recorder of the mastering system to the signal source. In addition, the device includes a decoder for decoding encoded data and address information provided from an input source of the mastering system. Furthermore, the device includes a central processor unit which serves to detect whether a selected address from the decoded data is present. Upon detection of the selected address, the CPU controls the switch to connect the signal source to the recorder to enable the recorder to receive the first signal and form the predetermined defect at the selected address. When a CD-ROM manufactured from the glass master is played back, a desired error signal is generated at the predetermined address indicating that the CD-ROM is not counterfeit. Further, when a counterfeit CD-ROM is played back, the desired error signal is not generated at the predetermined address, thus enabling detection of the counterfeit CD-ROM. In addition, the defect is not visible to the unaided eye when the CD-ROM is viewed.



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[54]发明名称 鉴别盗版光学CD-ROM用的玻璃母板
编码系统

[57]摘要

用于制版系统的一种检查仿冒 CD-ROM 的装置，包括提供第一信号在玻璃母板上形成预定缺陷的信号源，将制版系统的记录装置连接到信号源的开关，对制版系统的输入源提供的编码数据和地址信息解码的解码器，和一 CPU，它根据选定地址的检查，控制开关把信号源接到记录装置记录收到的第一信号，在选定地址形成预定缺陷。重放玻璃母板制造的 CD-ROM 时产生错误信号，重放仿冒 CD-ROM 时不产生错误信号，从而鉴别仿冒 CD-ROM。

